## NCER Funded Small Business Innovation Research (SBIR) Research Projects:

Region 3 - Pennsylvania State University Grant List



## NATIONAL CENTER FOR ENVIRONMENTAL RESEARCH

Office of Research and Development U.S. Environmental Protection Agency

**Tabular Query Results of NCER Program and Solicitation Information** 

## 20 Abstracts are listed

Number	Identifier	Abstract	Institution	Principal Investigator	Grant Representative	Grant Amount	Proposed Start Date
1	R81-9482	Reduced CO, Emission Through New Portland Cements	Pennsylvania State University	Della M. Roy	none	\$299,049	3 years
2	R81-9482	Reduced CO, Emission Through New Portland Cements	Pennsylvania State University	Della M. Roy	none	\$299,049	3 years
3	R82-2298	Treehole Communities as Bioindicators of Forest Stemflow Pollution and Ecosystem Stress	Pennsylvania State University	W. A. Dunson	none	\$294,497	2 years
4	R825195	An Integrated Approach for Effective Representation and Analysis of Space/Time Environmental Data	The Pennsylvania State University	Donna J. Peuquet, Anand Sivasubramaniam, Brent Yarnall, and Alan MacEachren	Chris Saint	\$585,086	October 10, 1996 - October 9, 1999
5	R825244	Impact of Ambient O3 on Physiological, Visual, and Growth Responses of Sensitive Eastern Hardwood Tree Species Under Natural and Varying Site Conditions	Pennsylvania State University	John Skelly, Donald D. Davis, Kim C. Steiner	Deran Pashayan	\$494,000	November 1, 1996 - October 31, 1999
6	R823847	Oxidative Coupling as a Cause of Substituent Release from Aromatic Pollutants	Pennsylvania State University	Jean-Marc Bollag and Jerzy Dec	Barbara Levinson	\$425,000	September 1995 - October 1998
7	R825254	Development and Evaluation of a Shallow Convection Parameterization for Mesoscale Models	Pennsylvania State University	Nelson Seaman	Deran Pashayan	\$449,000	October 1, 1996 - September 30, 1999
8	R824806	Regional Streamflow Sensitivity to Climate Change in an Urbanizing Environment	The Pennsylvania State University	David R. DeWalle	Barbara Levinson	\$120,000	October 1, 1995 - September 30, 1998
9	R823350	Undesirable Facilities and Political Boundaries Neighborhood Dynamics and House Prices	Department of Energy, Environmental and Mineral Economics, The Pennsylvania State University; Department of Economics, Northeastern University	Katherine T. McClain and Katherine A. Kiel	Deborah Hanlon	\$64,381	June 1, 1995 - December 31, 1996
10	R824807	Regional Hydrologic Vulnerability and Adaptation to Climate An Integrated Assessment of the Susquehanna River Basin	The Pennsylvania State University	Brent Yarnal	Barbara Levinson	\$460,000	November 1995 - October 1998
11	R826646	Determination of Binding Interactions Between Xenobiotic Chemicals and Soil	The Pennsylvania State University	Jean-Marc Bollag and Jerzy Dec	S. Bala Krishnan	\$408,775	October 1, 1998 - September 30, 2001
12	R825866	Using bioindicators to develop a calibrated index of regional ecological integrity for forested headwater ecosystems	Pennsylvania State University, Carnegie Museum of Natural History Powdermill Nature Reserve, East Stroudsburg University	Robert P. Brooks; Robert S. Mulvihill; Terry L. Master	Barbara Levinson	\$850,000	June 1, 1998 - May 31, 2001
13	R825363	Direct Quantitation Of Haloacetic Acids By Surface Enhanced Raman Scattering	Pennsylvania State University	Michael J. Natan	Sheila Rosenthal	\$163,609	November 4, 1996 - November 3, 1998
14	R823193	Genetically Engineered Potato Plants Which Do Not Produce O3-induced Ethylene A Mechanism of O3 Tolerance?	The Pennsylvania State University	Eva J. Pell (PI) and Richard N. Arteca (Co-PI)	Clyde Bishop	\$412,615	October 1, 1995 - September 30, 1998
15	U915145	The Fate of Wastewater Phosphate in Saline Carbonate Groundwater: Key Colony Beach, Florida	The Pennsylvania State University	Katherine Elliott	none	none	none
16	68D00280	A New NOx, HC, and Small Particle Filter With a Regeneration-In-Place	Sorbent Technologies Corporation	Sidney G. Nelson	none	\$225,000	September 2000 - September

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		Capability for Stationary Diesel Engine Applications					2002
17	U915212	Ethylene Regulated Gene Expression During Ozone-Induced Accelerated Leaf Senescence	The Pennsylvania State University	Jennifer D. Miller	none	none	none
18	U915368	A Climatology of Extratropically Transitioning Atlantic Tropical Cyclones and Associated Case Studies	Pennsylvania State University	Robert Hart	none	none	none
19	R827640	Stream Plethodontid Assemblage Response (SPAR) Index: Development, Application, and Verification in the MAHA	Penn State Cooperative Wetlands Center, Environmental Resources Research Institute, Pennsylvania State University, University, Park, PA	Robert P. Brooks (rpb2@psu.edu) and Brian L. Rocco	Barbara Levinson	\$397,304	July 1, 1999 - June 30, 2002
20	R827994	Cardiovascular Responses to Particulate Air Pollution	Pennsylvania State University; University of North Carolina at Chapel Hill	Duanping Liao, Vernon M. Chinchilli; Gerardo Heiss, Carl Shy	Deran Pashayan	\$607,630	January 2000 - January 2003

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